

**CHEMICAL CONSTITUENTS OF *Vernonia parishii*  
HOOK F. AND THEIR BIOLOGICAL ACTIVITIES**

**PATCHARAPONG THANGSUNAN**

**MASTER OF SCIENCE  
IN CHEMISTRY**

**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

**SEPTEMBER 2012**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
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THIS THESIS HAS BEEN APPROVED  
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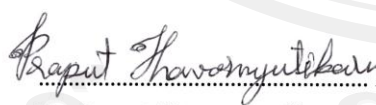
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